

Dorma Door Control, Inc.
1003 West Broadway
Steelville, IL 62288

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA -Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (in Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Dorma Series "9700 Rim Panic Exit Devices w/wo HC 1300 mullion (Component Approval

APPROVAL DOCUMENT: Drawing No. **9700-1 DADE**, titled "Dorma 9700/9700F Rim Exit devices on 16 ga Flush Steel Doors", sheets 1 thru 3 of 3, prepared by Building Drops, dated 06/05/11 and last revised on 09/13/11, signed and sealed by Alexis Spyrou, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant**Limitations:**

1. The Panic Exit Devices to be used in approved outswing opaque 16 ga steel door (48 W x 96 H Panel max) w/ 16 ga frame system, having current NOA(s). Lower design of doors or this component approval shall control.
2. Pair of Steel Doors w/ 9700 Rim Panic must be used with Dorma's HC1300 mullion and be installed as shown on sheet 3 of this approval.
3. Electrical devices, fire rating & egress requirements are not part of the review and such application to be reviewed and approved by AHJ (Authority Having Jurisdiction).

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and series and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA consists of this page 1 and evidence pages E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

NOA No 11-0916.04**Expiration Date: December 22, 2016****Approval Date: December 22, 2011****Page 1**

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No. **9700-1 DADE**, titled "Dorma 9700/9700F Rim Exit devices on 16 ga Flush Steel Doors ", sheets 1 thru 3 of 3, prepared by Building Drops, dated 06/05/11 and last revised on 09/13/11, signed and sealed by Alexis Spyrou, P.E.

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

along with marked-up drawings and installation diagram of Flush Outswing Steel doors w/ Rim Panic Exit w/ mullion, prepared by Intertek, Inc., Test Report No. **G100329651MID-001B (ITSW11001)**, dated 07/26/11, signed and sealed by Rick Curkeet, P. E.

Note: This test report has been revised by addendum letters issued by Intertek dated October 03, 2011 and November 07, 2011 both sealed and signed by Rick Curkeet, P.E.

C. CALCULATIONS

1. Statement letter of compliance to FBC 2007 & 2010, dated 12/15/11, issued by Building Drops, signed and sealed by Alexis Spyrou, P.E.
2. Anchor verification calculations and structural analysis, complying with FBC, dated 09/13/11 and last revised on 11-19-11 prepared by Building Drops, signed and sealed by Alexis Spyrou, P.E.

D. QUALITY ASSURANCE

1. Miami Dade Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATIONS

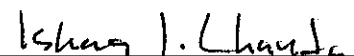
1. None

F. STATEMENTS

1. Statement letter of compliance to FBC 2007 & 2010, dated 12/15/11, issued by Building Drops, signed and sealed by Alexis Spyrou, P.E.
2. Statement letter of conformance 2007 and letter of no financial interest, prepared by Building Drops, dated 12/14/11, signed and sealed by Alexis Spyrou, P.E.
3. Test Lab Compliance statement, as part of above referenced test report.

G. OTHER

1. None.



Ishaq I. Chanda, P.E.

Product Control Examiner

NOA No 11-0916.04

Expiration Date: December 22, 2016

Approval Date: December 22, 2011

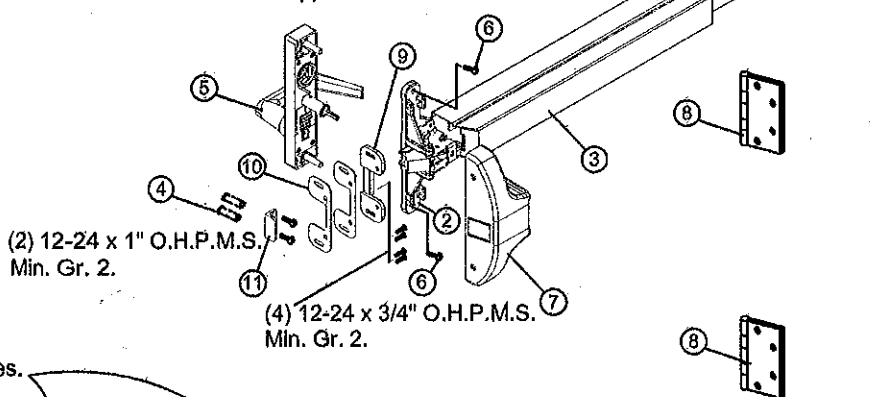
Bill of material per device			
Item	Description	Pt. No./Mat'l	Qty.
1	Approved 16 ga. door & 16 ga. frame under separate NOA.		1
2	DORMA 9700/F9700 Chas.	Cast steel	1
3	Touch bar and rail assy.		1
4	3/8" Diameter Thru bolts		2
5	Outside trim assembly	See notes;	1
6	12-24 x 1 1/2" PHRHMS	Gr. 2 Steel	8
7	Chassis cover		1
8	Hinges	Part of sep. NOA.	4
9	Strike #463	Malleable iron	1
10	Strike shims	Steel	2
11	Strike angle	Stainless steel	1
12	DORMA HC1300 removable Steel mullion		1
13	Mullion adapter bottom	Steel	1
14	Bottom fitting	Malleable cast	1
15	Mounting plate	Steel	1
16	Kwikbolt 3 exp. anchors	Steel	2
17	Honeycomb or FBC approved core		2
18	Top mullion fitting	Steel	1
19	Top mullion adapter	Steel	1

DORMA 9700/F9700 Narrow Stile Rim Panic Exit Devices w/wo DORMA HC1300 Mullion Application On Impact Flush Outswing Single And Pair Steel Doors Having Current NOA or Current HVHZ Florida State Approval

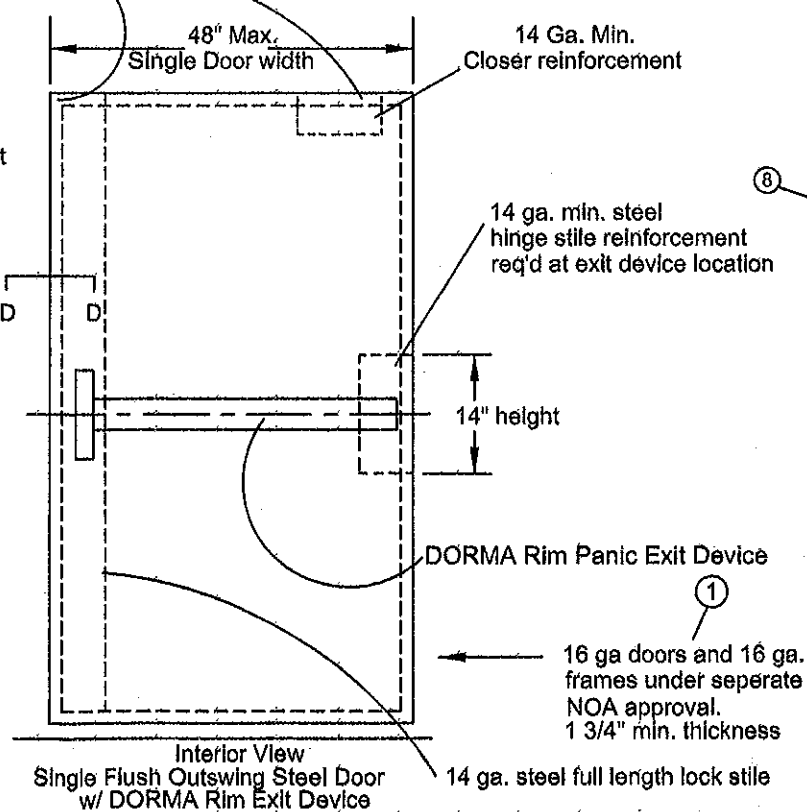
DORMA 9700/F9700 Rim Panic Exit Device	
Design pressure for single or pairs with DORMA HC1300 Mullion.	
65 PSF	Positive
65 PSF	Negative

Approved as complying with the Florida Building Code
Date DEC 22, 2011
NOA# 11-0916-04
Material Grade Product Control
By Shag J. Chant

DORMA 9700/F9700 Rim Panic Exit Device
LHRB device shown
RHRB oppsite



See steel re-inforcement notes.



Interior View
Single Flush Outswing Steel Door
w/ DORMA Rim Exit Device

DESCRIPTION: DORMA 9700/F9700 Rim Exit Device on
16 ga. flush steel doors.



DORMA Door Controls, Inc.
1003 W. BROADWAY
STEELEVILLE, ILLINOIS 62288

SCALE: None DRAWN BY: TA DATE: 6/15/11 CHKD BY: DC DATE: 11/2/11

- Limitations:
- Each device is approved to be used as an equal alternate in applicable 16 ga. (0.053" min.) frame and out swing 16 ga. (0.053" min.) commercial steel door holding a current NOA. Lowest design pressure rating of panic exit device or steel door shall control.
 - Device shall be installed on a approved 16 ga. (.053) commercial approved FBC core filled or honey comb steel door no larger than shown on this detail.
 - Steel reinforcement (by door mfg. required as indicated on the detail drawing in this set.)
 - Electrical devices are not part of this approval and must be reviewed by authority having jurisdiction in the area. (AHJ)
- Certifications:
Underwriter's Laboratories - UL10C, UBC7-2 (1997)
ANSI/BHMA A156.3 Grade 1 Exit device (2008)
3/4" latch bolt throw.
- Frame - Steel 16 ga. (0.053" min.)
Hinge reinforcements of 9 ga. (0.132" min) steel at ea. hinge location.
14 ga. strike reinforcement in frame.
Header reinforced by 10 ga. (0.132" min.) steel bar.
- Door - Steel 16 ga. (0.053" min.) Lock and Hinge stiles and top and bottom rails reinforced with full length 16 ga. (0.053" min.) steel channel.
Lock stiles reinforced by 14 ga. (0.071" min.) full length steel hardware reinforcement.
Hinge Stiles reinforced by exit device reinforcement of 14 ga. (0.071" min.) at ea. location on hinge stiles.
Closer reinforcement of 14 ga. (0.071" min.) steel at ea. closer hardware location as required.
Hinge reinforcements of 9 ga. (0.132" min) steel at ea. hinge location
- Strikes, hinges, and header re-inforcement as required on detail drawing in this approval.
All reinforcements to be spot welded or better by door manufacturer.
All dimensions in accordance with the manufacturer's standard installation instructions for Model DORMA 9700/F9700 Rim exit device.
Outside trim may be one of following models: ZODT, ZP25, ZP02, ZP03/04, ZP11/12, ZK08/09, ZR23, ZT23, ZC23, ZG23, ZR08/09, ZT08/09, ZC08/09, OR ZG08/09.
Thru bolts must be used on all installations as shown. Inter-locking strike angle must be installed by latches as shown.
All fasteners and associated hardware shall be corrosion resistant in compliance with HVHZ material protection sections of the FBC.
Bill of material for DORMA 9700 x DORMA HC1300 x DORMA 9700 hardware only.

Building Drops
127 W. Fairbanks Ave.
Winter Park, FL 32789
FBPE Cert. of Authorization No. 29576
[Signature]
Alexis Spyrou
Florida PE No. 6810

Rev.	Per Date Letter	10/31/11	1	TA	11-1-2011
REVISIONS	NO.	BY	DATE		
Sheet 1 of 3					
DWG. NO. 9700-1 DADE					

DORMA 9700/F9700 Narrow Stile Rim Panic Exit Devices w/wo DORMA HC1300 Mullion Application
On Impact Flush Outswing Single And Pair Steel Doors Having Current NOA or Current HVHZ Florida State Approval

GENERAL NOTES

Limitations:

1. Each device is approved to be used as an equal alternate in applicable 16 ga. (0.053" min.) frame and out swing 16 ga. (0.053" min.) commercial steel door holding a current NOA. Lowest design pressure rating of panic exit device or steel door shall control.

2. Device shall be installed on a approved 16 ga. (.053) commercial approved FBC core filled or honeycomb steel door no larger than shown on this detail.

3. Steel reinforcement (by door mfg. required as indicated on the detail drawing in this set.)

4. Electrical devices are not part of this approval and must be reviewed by authority having jurisdiction in the area. (AHJ)

Certifications:

Underwriter's Laboratories - UL10C, UBC7-2 (1997) ANSI/BHMA A156.3 Grade 1 Exit device (2008) 3/4" latch bolt throw.

Frame - Steel 16 ga. (0.053" min.)

Hinge reinforcements of 9 ga. (0.132" min) steel at ea. hinge location.

14 ga. strike reinforcement in frame. Header reinforced by 10 ga. (0.132" min.) steel bar.

Door - Steel 16 ga. (0.053" min.) Lock and Hinge stiles and top and bottom rails reinforced with full length 16 ga. (0.053" min.) steel channel.

Lock stiles reinforced by 14 ga. (0.071" min.) full length steel hardware reinforcement.

Hinge Stiles reinforced by exit device reinforcement of 14 ga. (0.071" min.) at ea. location on hinge stiles.

Closer reinforcement of 14 ga. (0.071" min.) steel at ea. closer hardware location as required.

Hinge reinforcements of 9 ga. (0.132" min) steel at ea. hinge location

Strikes, hinges, and header re-inforcement as required on detail drawing in this approval.

All reinforcements to be spot welded or better by door manufacturer.

All dimensions in accordance with the manufacturer's standard installation instructions for Model DORMA 9700/F9700 Rim exit device.

Outside trim may be one of following models: ZODT, ZP25, ZP02, ZP03/04, ZP11/12, ZK08/09, ZR23, ZT23, ZC23, ZG23, ZR08/09, ZT08/09, ZC08/09, OR ZG08/09.

Thru bolts must be used on all installations as shown. Inter-locking strike angle must be installed by latches as shown.

All fasteners and associated hardware shall be corrosion resistant in compliance with HVHZ material protection sections of the FBC.

Bill of material for DORMA 9700 x DORMA HC1300 x DORMA 9700 hardware only.

Building Drops
127 W. Fairbanks Ave.
Winter Park, FL 32789
FBPE Cert. of Authorization No. 20578

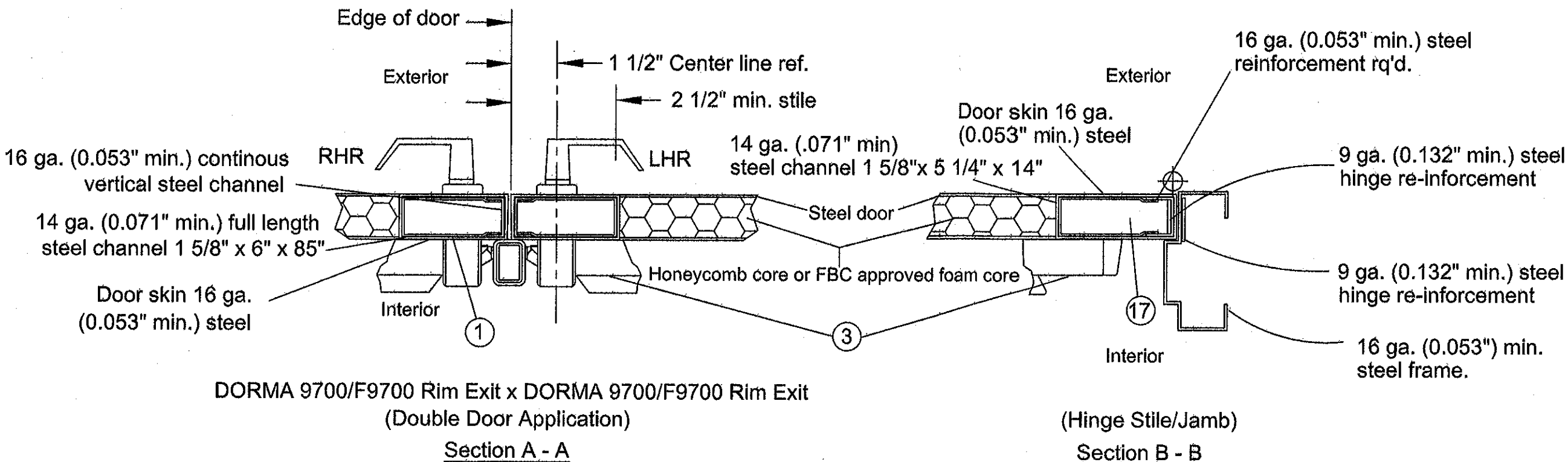
Alexis Spyrou
Florida PE No. 68101

Rev. Per Date Letter 10/31/11	1	TA	11-1-2011
REVISIONS	NO.	BY	DATE

Sheet 2 of 3

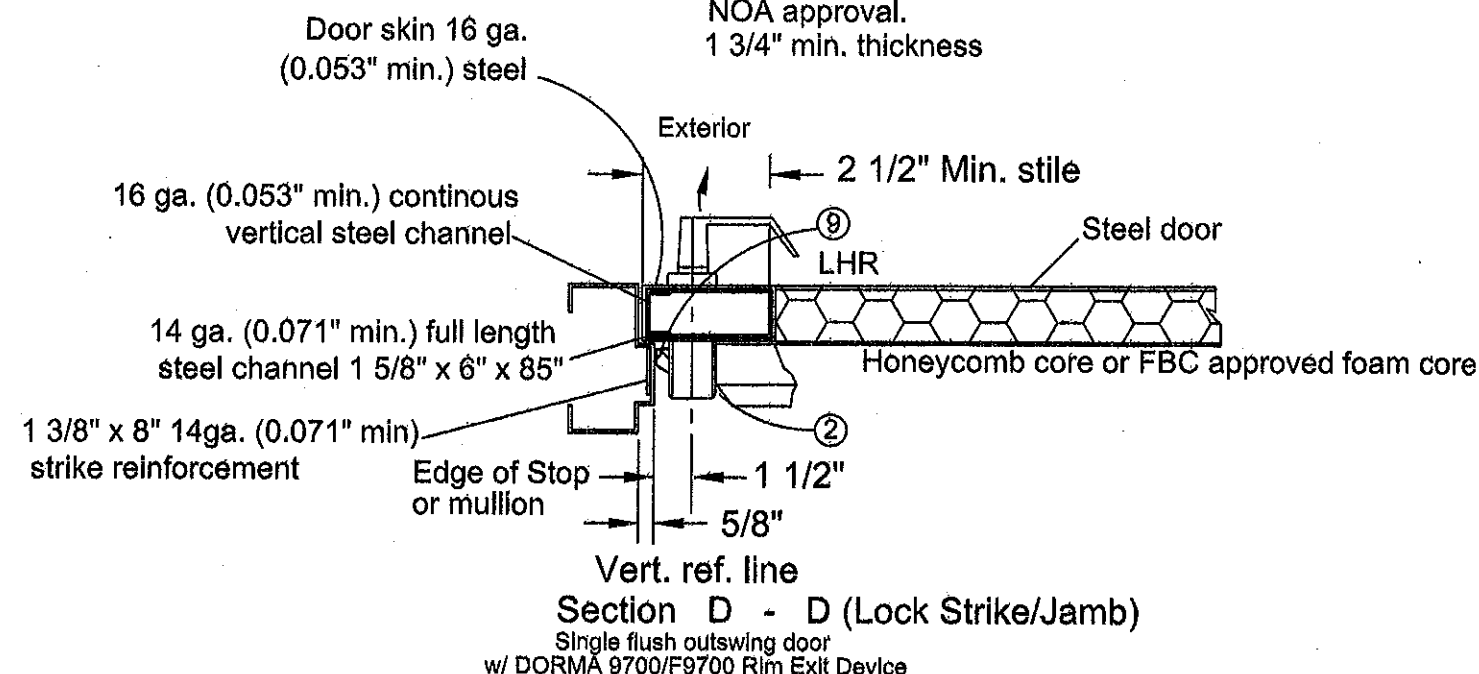
9700-1 DADE

DWG. NO.



NOTE:
 16 ga doors and 16 ga. frames under separate NOA approval.
 1 3/4" min. thickness

Approved as complying with the
 Florida Building Code
 Date DEC 22, 2011
 NOA# 11-0916-04
 Miami Dade Product Control
 By Isaac J. Chant



DESCRIPTION: DORMA 9700 Rim Exit Device on 16 ga. flush steel doors.



DORMA Door Controls, Inc.
 1003 W. BROADWAY
 STEELEVILLE, ILLINOIS 62288

SCALE: None

DRAWN BY: TA

DATE: 6/15/11

CHKD BY: DC

DATE: 11/2/11

DORMA 9700/F9700 Narrow Stile Rim Panic Exit Devices w/wo DORMA HC1300 Mullion Application
On Impact Flush Outswing Single And Pair Steel Doors Having Current NOA or Current HVHZ Florida State Approval

GENERAL NOTES

Limitations:

1. Each device is approved to be used as an equal alternate in applicable 16 ga. (0.053" min.) frame and out swing 16 ga. (0.053" min.) commercial steel door holding a current NOA. Lowest design pressure rating of panic exit device or steel door shall control.

2. Device shall be installed on a approved 16 ga. (0.053) commercial approved FBC core filled or honey comb steel door no larger than shown on this detail.

3. Steel reinforcement (by door mfg. required as indicated on the detail drawing in this set.)

4. Electrical devices are not part of this approval and must be reviewed by authority having jurisdiction in the area. (AHJ)

Certifications:

Underwriter's Laboratories - UL10C, UBC7-2 (1997)

ANSI/BHMA A156.3 Grade 1 Exit device (2008)

3/4" latch bolt throw.

Frame - Steel 16 ga. (0.053" min.)

Hinge reinforcements of 9 ga. (0.132" min) steel at ea. hinge location.

14 ga. strike reinforcement in frame.
 Header reinforced by 10 ga. (0.132" min.) steel bar.

Door - Steel 16 ga. (0.053" min.) Lock and Hinge stiles and top and bottom rails reinforced with full length 16 ga. (0.053" min.) steel channel.

Lock stiles reinforced by 14 ga. (0.071" min.) full length steel hardware reinforcement.

Hinge Stiles reinforced by exit device reinforcement of 14 ga. (0.071" min.) at ea. location on hinge stiles.

Closer reinforcement of 14 ga. (0.071" min.) steel at ea. closer hardware location as required.

Hinge reinforcements of 9 ga. (0.132" min) steel at ea. hinge location

Strikes, hinges, and header re-inforcement as required on detail drawing in this approval.

All reinforcements to be spot welded or better by door manufacturer.

All dimensions in accordance with the manufacturer's standard installation instructions for Model DORMA 9700/F9700 Rim exit device.

Outside trim may be one of following models: ZODT, ZP25, ZP02, ZP03/04, ZP11/12, ZK08/09, ZR23, ZT23, ZC23, ZG23, ZR08/09, ZT08/09, ZC08/09, OR ZG08/09.

Thru bolts must be used on all installations as shown. Inter-locking strike angle must be installed by latches as shown.

All fasteners and associated hardware shall be corrosion resistant in compliance with HVHZ material protection sections of the FBC.

Bill of material for DORMA 9700 x DORMA HC1300 x DORMA 9700 hardware only.

Building Drops

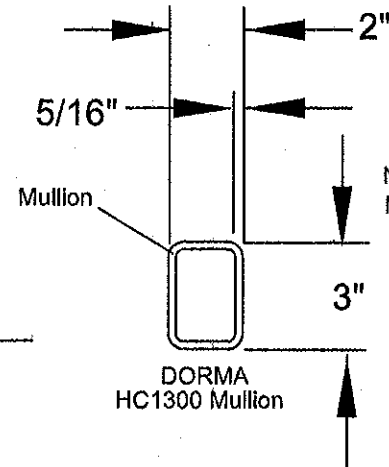
127 W. Fairbanks Ave.
 Winter Park, FL 32789

FBPE Cert. of Authorization No. 29578

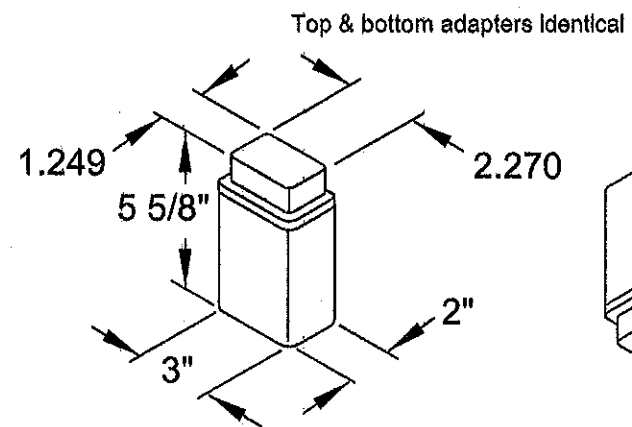
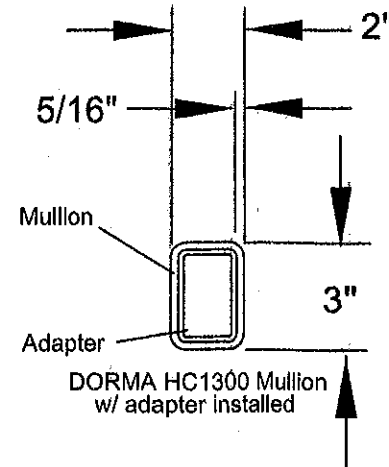
Alexis Spyrou
 Florida PE No. 68101

Section A2 - A2

17/32" 1/16" 17/32" 1/16"

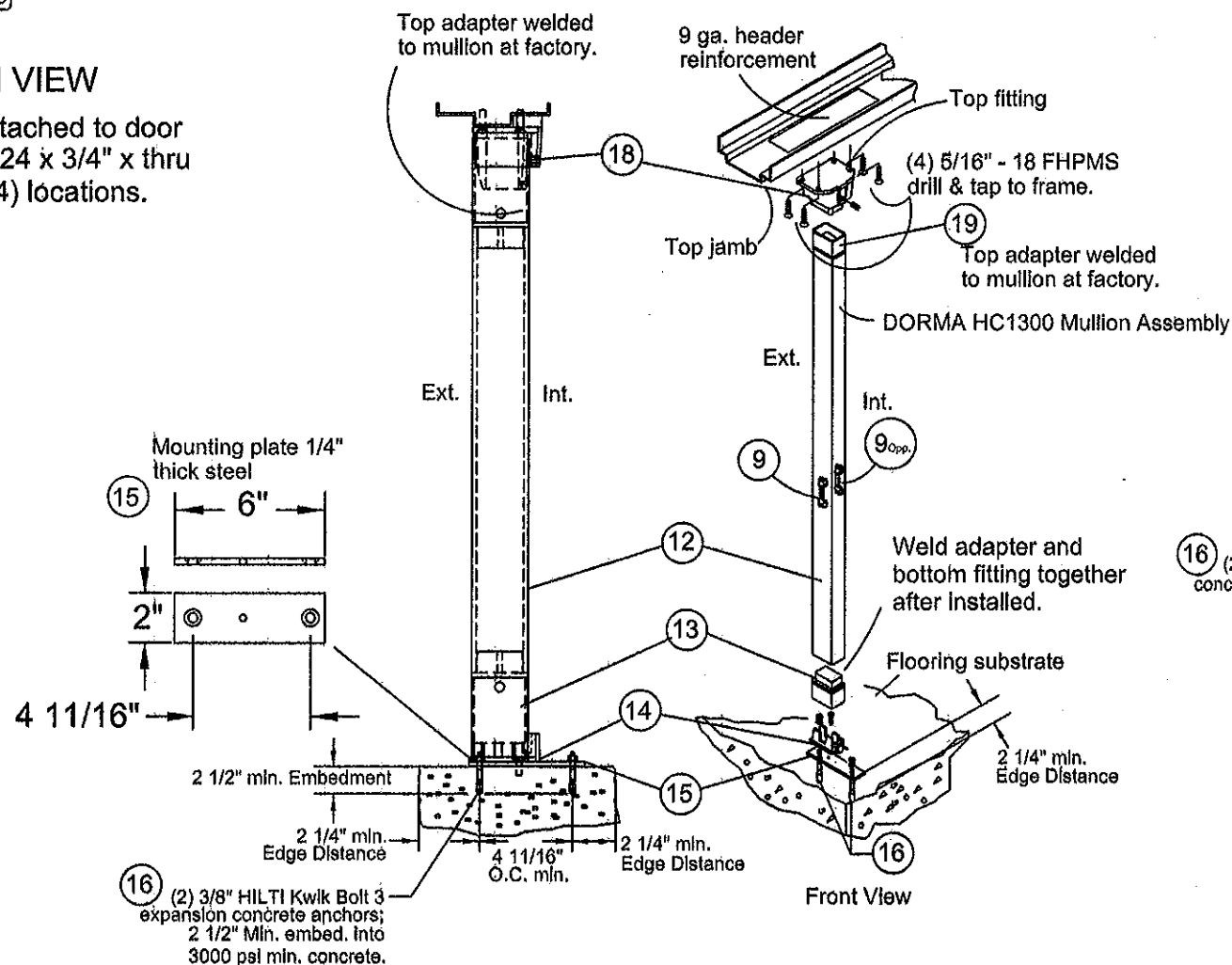


Notes:
 Material: Carbon Steel Tubing 2 x 3 x 1/8 Wall
 Structural ASTM A500-Grade B
 Tensile Strength; 58000 psi.
 Yield Strength; 46000 psi.
 % Elongation In 2 Inches; 23

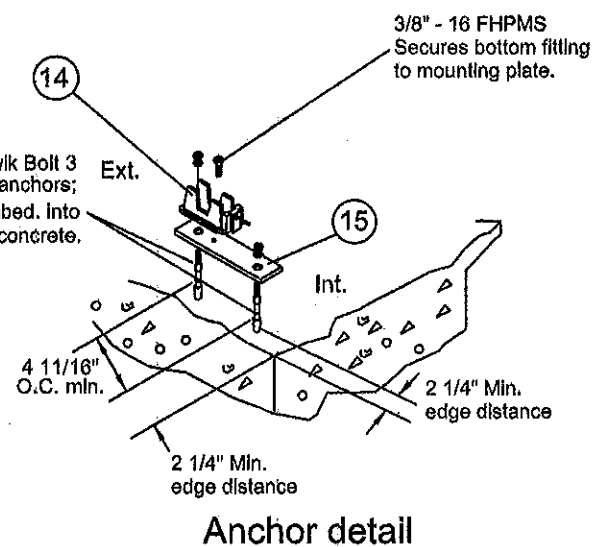


ELEVATION VIEW

Stabilizers attached to door using (2) 12-24 x 3/4" x thru bolts each, (4) locations.



Approved as complying with the Florida Building Code
 Date: DEC 22, 2011
 NDAS 11-0916-04
 Miami Dade Product Control
 By: [Signature]



Section C - C

DESCRIPTION: DORMA 9700 Rim Exit Device on 16 ga. flush steel doors.



DORMA Door Controls, Inc.
 1003 W. BROADWAY
 STEELEVILLE, ILLINOIS 62288

SCALE: None

DRAWN BY: TA

DATE: 6/15/11

CHKD BY: DC

DATE: 11/2/11

Rev. Per Dade Letter 10/31/11 1 TA 11-1-2011

REVISIONS NO. BY DATE

Sheet 3 of 3

9700-1 DADE

DWG. NO.